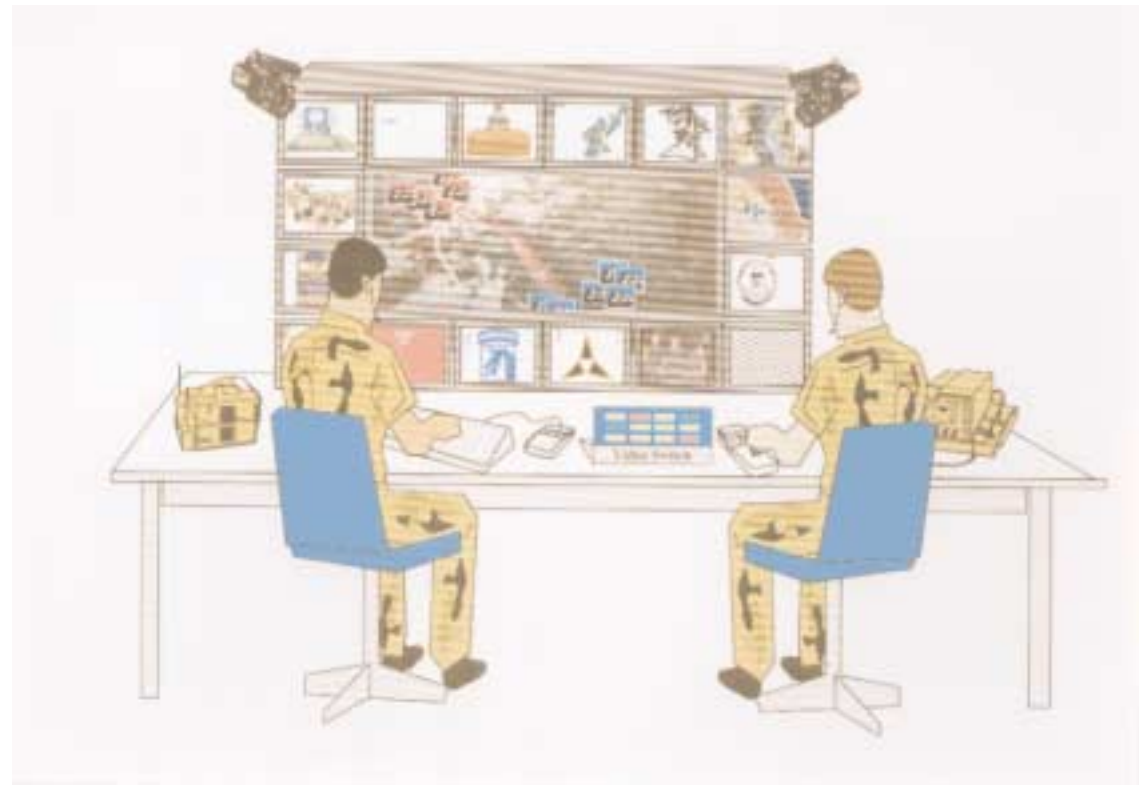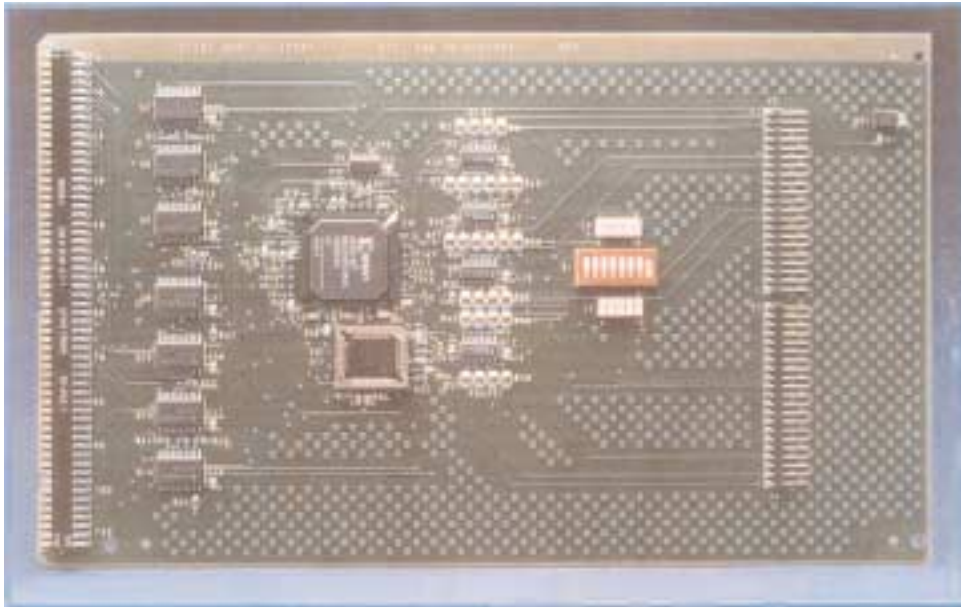# Tactical High Speed Data Network (THSDN)

UNITED STATES ARMY

MISSION

Provide video and high-speed data access through the Mobile Subscriber Equipment (MSE) and Army echelon above corps Tri-Service Tactical Communications System (Tri-Tac) switches by supporting data rates of 64, 128, 256, and 512kb/s (256 max for video teleconferencing [VTC]); enhance data throughput on the MSE/Tri-Tac backbone communications system; enable users to conduct videoconferences and send data through internet protocol routers.

DESCRIPTION AND SPECIFICATIONS

The Tactical High-Speed Data Network (THSDN) consists of a modification work order for modifying MSE and Tri-Tac switches with the following: high speed tactical circuit cards, forward error correction cards, routers and workstation enhancements. There will also be a network management capability and a software upgrade to improve VTC calls. THSDN is an interim solution to handle the field's increased data demands until the objective Warfighter Information Network-Terrestrial (WIN-T) solution is available.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

4QFY98 HSMUX circuit card assembly (CCA) approved as a Warfighter Rapid Acquisition Program candidate.
1QFY99 Created a formal high speed data program, due to the increasing field needs for data and logistics concerns associated with direct unit purchases of HSMUX equipment.
3QFY99 Awarded research, development, test, and effort for the associated circuit cards.
4QFY99 Awarded contract for the NRE system integration and two initial fieldings.
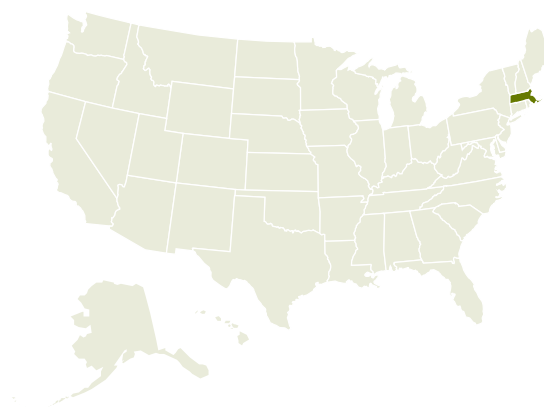**1QFY00** Contractor completed a CCA test and began a system test.
   Installed THSDN capability in the 82nd Signal Battalion equipment. Conducted field testing at Ft. Bragg.

PROJECTED ACTIVITIES

2QFY00 Continue field testing at Ft. Bragg; certification testing at JTIC; release modification work order; award production and fielding effort; initial fielding to 82nd Signal Battalion.

PRIME CONTRACTORS

General Dynamics (Taunton, MA)

* See appendix for list of subcontractors

Tactical High Speed Data Network (THSDN)
Information Dominance

Project the Force

Protect the Force

Gain Information Dominance

Shape the Battlespace

Conduct Decisive Operations

Sustain the Force